

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re DIVISIONAL application of)
JUN KOYAMA et al.)
Based on Serial No. 09/309,891) Group Art Unit: 2812
Filed: May 11, 1999) Examiner: R. Booth
For: SEMICONDUCTOR DISPLAY DEVICE)

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

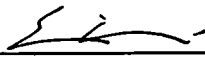
Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application.

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

The remaining references listed on the attached Form PTO-1449 were cited in parent application Serial No. 09/309,891, and copies of the references can be found in that application.

Respectfully submitted,


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Based on 09/309,891
				Filing Date	May 11, 1999
				First Named Inventor	Jun KOYAMA, et al.
				Group Art Unit	2812
				Examiner Name	Richard Booth
Sheet	1	of	4	Attorney Docket Number	0756-7255

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,594,569		Konuma et al.	01/14/97	
		6,108,056		Nakajima et al.	08/22/00	
		5,982,348		Nakajima et al.	11/09/99	
		4,510,515		Kajita et al.	04/09/85	
		5,923,963		Yamanaka	07/13/99	
		5,431,773		Ikeda et al.	07/11/95	
		5,999,155		Satou	12/07/99	
		4,127,792		Nakata	11/28/78	
		4,952,031		Tsunoda et al.	08/28/90	
		6,172,671		Shibuya et al.	01/09/01	
		6,271,818		Yamazaki et al.	08/07/01	
		5,250,931		Misawa et al.	10/05/93	
		6,063,654		Ohtani	05/16/00	
		6,100,562		Yamazaki et al.	08/08/00	
		6,180,439		Yamazaki et al.	01/30/01	
		6,225,152		Yamazaki et al.	05/01/01	
		5,888,858		Yamazaki et al.	03/30/99	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Furie et al., "Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability," SID 1998.	
		Yoshida et al., "A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time," 1997 SID DIGEST, pp. 841-844.	
		Inui et al., "Thresholdless Antiferroelectricity in Liquid Crystals and its Application to Displays," J. Mater. Chem., 6(4), 1996, pp. 671-673.	
		Ohtani et al, "LP-B Late-News Poster: A 60-in. HDTV Rear-Projector with Continuous-Grain-Silicon Technology," 1998, pp. 467-470, SID 98 DIGEST.	

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known			
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				Filing Date		May 11, 1999	
				First Named Inventor		Jun KOYAMA, et al.	
				Group Art Unit		2812	
				Examiner Name		Richard Booth	
Sheet	2	of	4	Attorney Docket Number		0756-7255	

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
		6,432,756		Ohtani et al.	08/13/02	
		6,165,824		Takano et al.	12/26/00	
		6,162,704		Yamazaki et al.	12/19/00	
		6,153,445		Yamazaki et al.	11/28/00	
		6,420,246		Yamazaki et al.	07/16/02	
		6,133,075		Yamazaki et al.	10/17/00	
		6,197,626		Yamazaki et al.	03/06/01	
		6,294,441		Yamazaki	09/25/01	
		6,300,659		Zhang et al	10/09/01	
		6,303,415		Yamazaki	10/16/01	
		6,303,963		Ohtani et al	10/16/01	
		6,307,214		Ohtani et al	10/23/01	
		6,316,789		Yamazaki et al	11/13/01	
		6,316,810		Yamazaki et al	11/13/01	

FOREIGN PATENT DOCUMENTS							
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	05-109737			04/30/93	Full

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
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		6,291,275		Yamazaki et al	09/18/01	
		6,077,731		Yamazaki et al	06/20/00	
		6,287,900		Yamazaki et al	09/11/01	
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		6,100,562		Yamazaki et al	08/08/00	
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		5,608,232		Yamazaki et al	03/04/97	
		5,529,937		Zhang et al	06/25/96	
		6,160,268		Yamazaki	12/12/00	
		6,133,119		Yamazaki	10/17/00	
		6,156,590		Yamazaki et al	12/05/00	
		6,121,660		Yamazaki et al	09/19/00	
		6,087,679		Yamazaki et al	07/11/00	
		6,072,193		Ohnuma et al	06/06/00	
		5,956,579		Yamazaki et al	09/21/99	
		5,977,559		Zhang et al	11/02/99	
		6,133,075		Yamazaki et al	10/17/00	
		6,133,073		Yamazaki et al	10/17/00	
		6,084,247		Yamazaki et al	07/04/00	
		6,027,987		Yamazaki et al	02/22/00	
		5,961,743		Yamazaki et al	10/05/99	
		6,063,654		Ohtani	05/16/00	
		6,077,758		Zhang et al	06/20/00	

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		6,066,518		Yamazaki	05/23/00	
		5,985,740		Yamazaki et al	11/16/99	
		6,048,758		Yamazaki et al	04/11/00	
		6,071,764		Zhang et al	06/06/00	
		6,165,824		Takano et al	12/26/00	
		5,949,115		Yamazaki et al	09/07/99	
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		6,071,766		Yamazaki et al	06/06/00	
		5,700,333		Yamazaki et al	12/23/97	
		5,814,540		Takemura et al	09/29/98	
		5,869,363		Yamazaki et al	02/09/99	
		5,888,858		Yamazaki et al	03/30/99	
		5,893,730		Yamazaki et al	04/13/99	
		6,225,152		Yamazaki et al	05/01/01	
		6,232,205		Ohtani	05/15/01	
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		6,232,621		Yamazaki et al	05/15/01	
		6,242,290		Nakajima et al	06/05/01	
		6,218,219		Yamazaki et al	04/17/01	
		6,197,624		Yamazaki	03/06/01	
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		6,201,585		Takano et al	03/13/01	
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		6,184,559		Hayakawa et al	02/06/01	
		6,204,154		Zhang et al	03/20/01	
		6,207,969		Yamazaki	03/27/01	
		6,204,101		Yamazaki et al	03/20/01	

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